

**Kallikrein 5 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP6324b****Specification**

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**Kallikrein 5 Antibody (Center) Blocking peptide - Product Information**Primary Accession [Q9Y337](#)**Kallikrein 5 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 25818**Other Names**

Kallikrein-5, 3421-, Kallikrein-like protein 2, KLK-L2, Stratum corneum tryptic enzyme, KLK5, SCTE

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6324b](/product/products/AP6324b) was selected from the Center region of human KLK5. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Kallikrein 5 Antibody (Center) Blocking peptide - Protein Information****Name** KLK5 ([HGNC:6366](#))**Function**

May be involved in desquamation.

**Cellular Location**

Secreted.

**Tissue Location**

Expressed in skin, breast, brain and testis. Expressed at the stratum granulosum of palmar skin

**Kallikrein 5 Antibody (Center) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **Kallikrein 5 Antibody (Center) Blocking peptide - Images**

#### **Kallikrein 5 Antibody (Center) Blocking peptide - Background**

Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. KLK5 expression is up-regulated by estrogens and progestins. The protein is secreted and may be involved in desquamation in the epidermis.

#### **Kallikrein 5 Antibody (Center) Blocking peptide - References**

Planque, C., et al., Biochem. Biophys. Res. Commun. 329(4):1260-1266 (2005). Michael, I.P., et al., J. Biol. Chem. 280(15):14628-14635 (2005). Ishida-Yamamoto, A., et al., J. Invest. Dermatol. 124(2):360-366 (2005). Brattsand, M., et al., J. Invest. Dermatol. 124(1):198-203 (2005). Caubet, C., et al., J. Invest. Dermatol. 122(5):1235-1244 (2004).